



Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

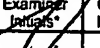
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/073,818
				Filing Date	February 11, 2002
				First Named Inventor	Karandikar, P.
				Group Art Unit	2164
Sheet	1	of	3	Examiner Name	
				Attorney Docket Number	M-102-A

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup>			
7/		3,622,283		Sara	11-23-1971	
		3,766,000		Gibson et al.	10-16-1973	
		3,807,996		Sara	04-30-1974	
		3,994,867		Baughman et al.	11-30-1976	
		4,005,183		Singer	01-25-1977	
		4,083,719		Arakawa et al.	04-11-1978	
		4,157,409		Levitt et al.	06-5-1979	
		4,376,803		Katzman	03-15-1983	
		4,451,118		Stalcup et al.	05-29-1984	
		4,535,035		Smialek, et al.	08-13-1985	
		4,791,076		Leggett, deceased, et al.	12-13-1988	
		4,804,586		Tanaka et al.	02-14-1989	
		4,944,904		Singh et al.	07-31-1990	
		5,015,540		Borom	05-14-1991	
		5,330,807		Williams	07-19-1994	
H		5,834,115		Weeks, Jr. et al.	11-10-1998	
		5,993,934		Reese et al.	11-30-1999	

RECEIVED

SEP 12 2002

GROUP 3600

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
		DE	197 11 831	A1	Daimler-Benz	09-24-1998		V
		EP	1,124,074		Brembo	08-16-2001		

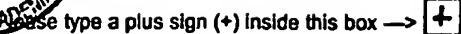
Examiner Signature		Date Considered	6/06
--------------------	--	-----------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.




Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"BP Amoco Chemicals – Carbon Fibers", selected pages (9) from website <a href="http://www.bpamococarbonfibers.com">www.bpamococarbonfibers.com</a> , Copyright 2000 BP Amoco plc.
		Max L. Lake, "Diamond Fibers for Heat Sinks" Diamond Fibers for Thermal Energy Management", 1991 BMDO Phase I SBIR Award (abstract only)
		William E. Davis, "Affordable, High Performance Composites", 1996 Air Force Phase II SBIR Award (abstract only)
		Mark J. Montesano, "Thermal Management for Advanced 3D Packaging of Payload Electronics", 1999 Air Force Phase I SBIR Award (abstract only)

**RECEIVED**

SEP 12 2002

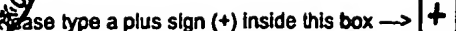
**GROUP 36**

Examiner Signature		Date Considered	6/01
-----------------------	---	--------------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

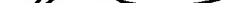
<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

[illegible][illegible]

Examiner Signature		Date Considered	6/26
--------------------	---	-----------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.